THE DAILY HERALD.

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METEOROLOGICAL REPORT.

Yesterday's Record at the Local Office. of the Weather Bureau.

Salt Lake City, Utah, Aug. 15, 1398, aximum temperature, 13 dogrees; min im temperature, 36 degrees; mean tem atura, 81 degrees, which is 15 degree

PLOTS OF THE ROYALISTS.

attempted assassination of Lawyer Labori of the counsel for Dreyfus is generally believed to be part of create disturbances, foment discensions lag out of troops and to start a revolution if possible. The demonstration at Commissioner Evans that he has been the Paris races some time ago in which able to withstand the stege of the pen-President Loubet was assaulted by sion attorneys and has had the coursome count or other out of a job was age to reject claims he regarded as an effort in the same direction. But impositions upon the generosity of the the disturbance was so quickly and efperemoniously hustled off to jail that the uprising died at its birth.

about the honor of the army they once aggressive member of the legal prof affected to despise and certainly feared. The army is being misused by corrupt is bad enough, but it is particularly agencies that have obtained control of dreadful to think of having all the wer, the sentence a portion of the he has suffered within two years. the original conspirators played upon ance this cowardly, unprovoked as-

ists who profess to live in constant fear of anarchy should seek to employ it for dread and deprecate when they are in dates tyranny and causes the iron hand make? The common experience of men willing to learn that murder is not an !

BANNER FROM THE KAISER.

is event for among our hyphenated fel- in financial legi-

ing fell on deaf cars or upon ears al-inauguration of President Cleveland, ready filled with the wishes of the in the closing year of Grant's adminla the crossing year characteristics and the committee ways, and the director of the United States mint quotes it with his endorsement: "Even apart from consideration affecting the government of India, it is not in the

sioners on the list. Ten years after that war was over 222,007 pensioners were enjoying the bounty of the govaluer monometallism."

with gold standard countries, should the testoration of the contribution of the govaluer monometallism."

THE HERAID'S Twenty years after the war the number was 405,007. Last year it ance that Sir Robert Giffin, besides had reached 563,714 invalids, widows admitting that the placing of India on and orphums to whom the munificent a gold basis in 1892 reduced the currensum of \$145,748,862.56, practically one-third, pointed out that "it

is annually paid. more Maries drawing money for mili-tary services rendered thirty odd years ago than occupy the muster rolls of There is a wide difference between ago than occupy the muster rolls of Great Britain and Germany combined. the facts, as investigators have dis-The yearly expense of the combined army and navy of the German empire s less than the United States expends which finds such favor with our dimilitary duties for more than a quar-

Whatever may be said of the ingrat- who went to the Philippines on purp the of republics in general no one to study conditions there, and Presi-can look upon these figures and ques-tion the gratitude and generosity of this one. No deserving applicant is re-lands or the war since their return to dused a hearing; no cialm is rejected the United States. If things justified except to be reviewed by congress; the aws are interpreted in the veteran's patches give them does any one imag-But there is an army of pension at-

specially of these claims and cases, is estimated that there are over 20, incomes from the practice. They take advantage of the generosity of the na-They urge many cinims that are fraudulent. They are trying to increase a ist that was believed to have reached effort to get Mr. Evans removed and have sought to use the Grand Army organization to this end. It is gratifying part of the week from Holiday park. to learn of their failure. It is to the imong the people, necessitate the call- lieve the pension roll should be a roll

MR. BROWN'S AFFLICTION. D

Ex-Senator Brown's misfortune enti-Now the royalists are courting the ties him to the sympathy of all who have known him as an active, vigilant, have known him as an active, vigilant, Mr. Kenneth C. Kerr has returned aggressive member of the legal profes. from a pleasant outing on the Weber. Many of its officers are already beauties of the world, the world of man, The Matabele Warrior, Now In Lonknown as forgers, traiters and con- the life of books, the light of day, all

tempt to overthrow the republic and will recover his sight after treatment the king's favorite son, and the next The sentiment upon which they second attack of blindness from which | Transvent govern

> His energy and pluck at the trial off without compelling him to relig wish for his early recovery.

INDIA ON A GOLD BASIS.

part of the committee on Indian cur-rency appointed by the British govern-

The Bundes Kreiger Verein of Chi- support and sanction the policy rein financial legislation, which evidently made a deepet impression upon the pespectative and that they had all come to London in most start present. The telestram notifying the society of this order was signed by the acting German ambassanor. Von Mumm.

Mum's the word. But we beg to assure his royal highness that there are no more loyal, progressive and valuable citizens in this country than these same men who have renounced the German men who have renounced the ferman men men who have renounced the ferman men

with a local for the target and standard for folds, or course, but if worst comes to woest the war lord of Barope needs the surprised substandard for folds, or the standard for folds, or course, but if worst comes to woest the war lord of Barope needs to surprised and street, the standard for folds are comes and the surprised substandard for folds are considered to the surprised substandard for folds are considered to the surprised substandard for folds are considered to recommend of the surprised substandard for folds are considered to recommend of the surprised substandard for folds are considered to recommend of order matters and street, and the folds are considered to recommend of order matters and the folds are considered to recommend or order to recommen is the second generation since the war of the robellion and there are more claims annually allowed now than lead to impending ruin." But the warn-

some of which had been pending for government of India, it is not in the laving everything to you, today, and all you have got to die, interest of findia that her foreign composite the civil war there were 187,863 pen-i merce, over 80 per cent of which is interested to die,

after the war Yet, an authority of no less import-Last year it ance that Sir Robert Giffin, besider half of the income of the government, acts as a heavy export duty of about 50 is annually paid.

On the payrolls of this republic are with the products of silver-using coun-

covered them in India, and the con-clusions of the currency committee rector of the mint.

It may be regarded as somewhat significant that both Senator Beveridge evidence construed to the that these eloquent representatives of the administration would lose a mo ment's time in so informing a perplexed

> floods in Texas destroyed nearly \$7,500.
>
> 600 of property. This places Texas in the lead as a record holds. lead as a record-holder, but it is safe to wager that she is not particular abou entering the contest again if another state shows ambitions in that direction

SOCIETY NOTES.

Mrs. Willard Young and family leave Sept. 1, for New York, where they wil make their home.

Miss Edna Bailey has gone to Brighton, where she is a guest at "Dew Drop In."

Miss Woodman and Miss Virginia Woodman are the guests of Mr. and Mrs. W. G. Park.

Mesers, Charles Lawrence and Frank udge leave temorrow for Brighton.

LOBENGULA'S VIEWS.

don, Says He Is Happy. (London Daily Mail.)

"In my own country I was one day of the fact that this is the a common 'colored man,' flogged by the track of blindness from which | Transvani government for walking on sidewalk in Fretoria without having

a sidewalk in Fretoria without having first asked permission."

The words were uttered in a soft liquid voice, and accompanied by a sunle, showing two rows of white teeth which even a prince might envy.

"My own country is good, but in the land of the uniungal (white man) I am quite jabula" (happy).

Again the smile, and again the gleum of dazaling teeth, and there remained on the expressive face of Prince Lobengula a look which might have been either a smouldering of resentful bitter.

everybody promptly guessed that s an old school Kentuckian, Wanted to Know.

(indianapolis Journal.)
Uncle Haicede-I have fived in this here
sound over (wenty year come next Sepsh Air Bay-Chee! How do youse git payin' de rent?

A Slight Preliminary.

... THE HERALD'S ... **Home Study Circle.**

(Copyright, 1899, by Seymour Eaton.) Directed by Prof. Seymour Eaton. +++++++++++++++++++++++++++++++++++

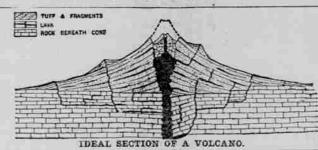
POPULAR LECTURES IN PHYSICAL SCIENCE.

VII. VOLCANOES. BY JAMES E. TALMAGE, PH. D.,

The supersitions of the past found a ready explanation for all kinds of velcanic activity by referring such to supernatural causes, or by ascribing the same to the direct agency of mythological deities. One of the few velcances mentioned in ancient literature is Vulcano, a small representative of its class, situated on one of the Lipari isles in the Mediterransan. This deserves passing notice, as its name has been extended so as to cover all occurrences of the sort. Vulcano is represented in the myths of old as the workshop of the god Vulcan, and the flery ejections issuing from the mountain were taken as proof of the deity's activity at forge

But a semblance of fusion may result from a much lower temperature in the presence of moisture under pressure, and this is facilitated if alkaline matter be associated. The resulting liquified rock presents the conditions of inciplent fusion combined with those of solution under pressure; the product has been expressively called "rock broth," and the process is known as that of aqueo-igneous or hydrothermal fusion. Now, as soon as the expansive forces are able to effect an outburst, the pressure is relieved and the water flashes into vapor with terrific violence; the stony matter regains solidity, but in a finely divided state, and falls as "ashes" and "cinders."

The materials crupted are many and varied; among them may be named the lava, ashes, etc., already noted, and in addition large quantities of steam and



and anvil. A similar fancy described at Eina as the prison of another delty, who, vanquished by a superior power, had been thrust under the mountain: the disturbances incident to Eina's frequent eruptions were supposedly due to the vigorous but futile efforts of the imprisoned god to free himself from so uncomfortable a gituation.

Even long after the science of geology had risen to prominence vague, and fanciful nations concerning volcance and fanciful nations concerning volcance and associated phenomena were promulgated. Thus the thought that burning meuntains were dependent for their activity upon the combustion of the subterraines coal bels was seriously urged. As late as 1758 Werner spoke of the 'highly probable coajecture that most if not all volcances arose from the combustion of understround seams of coal.' Now, however, more rational views are held regarding the causes of volcance action, yet the science of vulcancionly is of but recent origin. Scarcely more than a century has elapsed since the first well directed efforts were instituted to collect and collate facts in this field of inquiry. The most prominent idea suggested by the commonly accepted definition of a volcance is that of a mountain which manifests some sort of flery energy. This, however, is not the essential feature, for while it is true that the volcance is that of a hole in the ground from which issues heated materials. The mountain is largely and in most cases almost wholly due to the accumulation of these materials about the original servers are requisited from which issues heated materials. The mountain is largely and in most cases almost wholly due to the accumulation of the sevents as almost wholly due to the accumulation of the sevents and or one and such is, therefore, the result of the volcanic action. True, the elevation may be in part due to the lifting or arching the torusty by the poperation of this tremendous force operating of the cruet by the operation of the sevents of the volcanic action. True, the elevation may be in

cases almost wholly due to the accumulation of these materials about the oritice in the form of a mound or cone, and such is, therefore, the result of the volcanic action. True, the elevation of subterranean forces indued, comes of arching of the crust by the operation of subterranean forces indued, comes of elevation are spoken of as distinguished from comes of eruption, but of the two the latter are the more important.

With respect to these comes of sruption, volcanic meantains are really classified under two divisions:

1. Those with low flat cohes, consisting of true lays, or rock matter, which at the time of ejection was in a molten



VESUVIUS IN ERULATON.

tate. Of these there are many grades ejections occur, and the crupted mater-

distances: ther rock matter in large quantities and immease volumes of steam and other vapors are belohed forth, while violent earthquake disturbances may precede and accompany the eruptions. Such velcances may be described as of the explosive type; as examples, the Javanese volcances may be mentioned.

Between these extreme types there are many intermediate varieties, emitting true lava as well as rock debris and vapors. Of these the European volcances in general are illustrative.

The prime cause of this distinction between the quiet and the explosive types appears to depend largely upon the kind of fusion to which the rock matter is subjected. If the temperature be sufficient under the existing conditions of pressure, etc., to melt the rock after the manner of dry fusion, true lava is produced and the eruption in of the characteristically quiet kind.

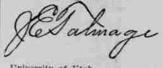
or existing volcances over 500 are nock.

Of existing volcances over 500 are named and listed as of importance, but if the catalogue is to include openings of smaller, though of considerable extent and craters of moderate activity, many thousands would be comprised. The large volcances occur in groups or along lines near the ocean, the distribution suggesting some connection between the proximity of oceanic waters and the operation of volcanic forces, and the operation of volcanic forces, and the operation of volcanic many indicate a possible connection between the members of such a series and an interior reservoir or fissure.

Common and violent as are volcanic outbursts, if appears to be certain that the vulcanism of the earth is waning, and that for the greatest exhibitions of volcanic power we must look to former repological asses.

and that for the greatest exhibitions of volcanic power we must look to former geological ages. All crater eruptions may be regarded as incident to diminishing energy, for the great lava ejections of the past probably issued from immense fissures extending perhaps through many miles. Only from such fissures can we conceive of outpour-logs like those that have produced the lava flow of the northwestern part of our own country, covering 150,000 square miles with a depth in places of 1,000 feet, or the Deccan lava field of India, which embraces an area of 200,020 square miles with an observed depth of 6,000 feet.

Many theories have been devised to explain the source of the heat and the development of the force recovery to



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the reduction: They're odds and ends and must be sold.



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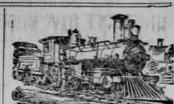
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Arrive. From Ogden Chicago Cmaha. St. Louis, Kansas City and Denver rom Ogden, Portland Spokane, Butte, Helena and San Fran-8:55 a.m. cisco
"From Milifard Sanpete Provo and intermediate points
From Cyden, Chicago, St. Louis, Kansas City, Omaha and Den-

Kannus City, Omana and senver.

From Garneld Esach. Toosle
and Terminos
From Titlic. Mercur and intermediate points

Out Preston. Logan. Brigham.
Out Preston. Logan. Brigham.
From Ogien. Butts. San Francisco and intermediate points. 1-20 p.m.

Depart.

Por Ogian Omana. Chicasp. Ogden, Omaha, Chicago, nver, Kansas City and St.

For Ogden, Omains, Critical St. Denvise, Kansas City and St. 7-90 a.m. For Tintic, Mercur and intermediate points are sufficiently for the sufficient of the For turning Brigham, Logan, or Ogden, Brigham, Logan, or Ogden, Brigham, Logan, or Ogden, Brigham, Logan, or Ogden, Brigham, Logan, and Intermediate Preston and Intermediate points
For Ogden Burte, Heiema Porriland and San Francisco.

For Prove Sampute, Mirrord and Intermediate points
For Ogden, Deriver, Kansas City, Omaha San Francisco.

San Francisco.

6:40 p.m.

San Francisco 6:00 p.m. or Ogden, Butte and Intermellate points 8:45 p.m.

Trains south of Jush do not run Sundays.

**Daily except Sunday.

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No. 1.—From Bingham, Provo.
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Hot and the east. 5.20 a.m.
No. 5.—From Provo. Bingham
Eureka. Belkmap, Manti and
Haterhediate points in the west. 5.25 p.m.
No. 1.—From Guden and the west. 5.25 p.m.
No. 1.—From Guden and the west. 7.55 p.m.
No. 1.—From Eureka. Paysen.
Provo and intermediate points. 10.20 a.m.
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